1   1-10.   (Canceled)

1   11.   (Currently Amended) A method of determining enforcement security devices in a

2   network topology, the method comprising the computer-implemented steps of:

3   locating a plurality of adjacent nodes within a sequence of nodes, the plurality of

4   adjacent nodes being between a source node and a destination node in the

5   network topology, each located node in the sequence plurality of adjacent

6   nodes having at least two adjacent nodes, including a previous node in the

7   sequence and a next node in the sequence, wherein for each located node in

8   the plurality of adjacent nodes, the next node is different than the previous

9   node;

10   for each located particular node in the sequence:

11   determining if the located particular node is the destination node, and if the located

12   particular node is the destination node, then identifying each node in the

13   sequence as being part of a path closure set between for the source node and

14   the destination node;

15   determining if the located particular node is a loop closure node, and if the located

16   particular node is a loop closure node, then determining if one or more nodes

17   in the sequence that are part of a loop path defined by the loop closure node

18   are already designated as being part of the path closure set, and

19   if one or more nodes in the sequence that are part of a loop path defined by the loop

20   closure node are already designated as being part of the path closure set, then

21   designating each node in the loop path as part of the path closure set, else

22   designating each node in the loop path as part of the path closure set if at least

23   a designated node in the loop path is subsequently determined to be

24   part of the path closure set.

1 12. (Original) A method as recited in Claim 11, wherein locating a plurality of adjacent

2 nodes in a sequence includes locating each node in the network topology using the sequence.

1 13. (Original) A method as recited by Claim 11, further comprising identifying one or

2 more enforcement security devices from nodes in the path closure set.

1 14. (Original) A method as recited in Claim 11, further comprising identifying one or

2 more enforcement security devices from nodes in the path closure set, and implementing a

3 security policy on the identified one or more enforcement security devices.

1 15. (Currently Amended) A method as recited in Claim 11, <u>wherein</u> determining that the

2 ~~located~~ <u>particular</u> node is a loop closure node includes determining that the ~~located~~ <u>particular</u>

3 node was located as a next node for at least two other nodes in the sequence.

1 16. (Original) A method as recited in Claim 11, wherein designating each node in the

2 loop path as part of the path closure set if a designated node in the loop path is subsequently

3 determined to be part of the path closure set includes designating each node in the loop path

4 as part of the path closure set if one of the at least two nodes in the sequence that are adjacent

5 to the loop closure node is subsequently determined to be part of the path closure set.

1 17.   (Original) A method as recited in Claim 11, wherein locating a plurality of adjacent

2 nodes in a sequence includes locating the plurality of nodes using a depth-first methodology.

1 18-30. (Canceled)

2 31.   (Currently Amended) A computer-implemented method of determining security

3   devices in a network topology, the method comprising:

4   identifying a source node and a destination node for traffic that is to be sent through

5   the network topology;

6   for each particular node in the network topology, adding the particular node to a path

7   closure set for the source node and destination node if a determination is made

8   that the particular node is part of a looping sequence of nodes in which (a) at

9   least one node in the looping sequence is already designated as being part of

10   the path closure set and (b) the at least one node designated as being part of

11   the path closure set is not also a loop closure node for that looping sequence;

12   and

13   storing a list of one or more security devices that occur in the path closure set.

14 32.   (Currently Amended) A computer-implemented method of determining security

15   devices in a network topology, the method comprising:

16   identifying a source node and a destination node for traffic that is to be sent through

17   the network topology;

18   for each particular node in the network topology, adding the particular node to a path

19   closure set for the source node and destination node if a determination is made

1   <u>that</u> the particular node is part of a looping sequence of nodes in which at least

2   one node adjacent to a loop closure node for that looping sequence of nodes is

3   subsequently identified as being part of the path closure set; and

4   storing a list of one or more security devices that occur in the path closure set.

5   33.   (Currently Amended) A computer readable medium for determining security devices

6   in a network topology, the computer readable medium carrying instructions for

7   performing the steps of:

8   identifying a source node and a destination node for traffic that is to be sent through

9   the network topology;

10   for each particular node in the network topology, adding the particular node to a path

11   closure set for the source node and destination node if <u>a determination is made</u>

12   <u>that </u>the particular node is part of a looping sequence of nodes in which (a) at

13   least one node in the looping sequence is already designated as being part of

14   the path closure set and (b) the at least one node designated as being part of

15   the path closure set is not also a loop closure node for that looping sequence;

16   and

17   storing a list of one or more security devices that occur in the path closure set.

18   34.   (Currently Amended) A computer readable medium for determining security devices

19   in a network topology, the computer readable medium carrying instructions for

20   performing the steps of:

21   identifying a source node and a destination node for traffic that is to be sent through

22   the network topology;

1   for each particular node in the network topology, adding the particular node to a path

2   closure set for the source node and destination node if a determination is made

3   that the particular node is part of a looping sequence of nodes in which at least

4   one node adjacent to a loop closure node for that looping sequence of nodes is

5   subsequently identified as being part of the path closure set; and

6   storing a list of one or more security devices that occur in the path closure set.

7   35.   (Currently Amended) A computer system to determine security devices in a network

8   topology, the computer system comprising:

9   means for identifying a source node and a destination node for traffic that is to be sent

10   through the network topology;

11   means for adding, for each particular node in the network topology, the particular

12   node to a path closure set for the source node and destination node if a

13   determination is made that the particular node is part of a looping sequence of

14   nodes in which (a) at least one node in the looping sequence is already

15   designated as being part of the path closure set and (b) the at least one node

16   designated as being part of the path closure set is not also a loop closure node

17   for that looping sequence; and

18   means for storing a list of one or more security devices that occur in the path closure

19   set.

20   36.   (Currently Amended) A computer system to determine security devices in a network

21   topology, the computer system comprising:

1   means for identifying a source node and a destination node for traffic that is to be sent

2   through the network topology;

3   means for adding, for each particular node in the network topology, the particular

4   node to a path closure set for the source node and destination node if a

5   determination is made that the particular node is part of a looping sequence of

6   nodes in which at least one node adjacent to a loop closure node for that

7   looping sequence of nodes is subsequently identified as being part of the path

8   closure set; and

9   means for storing a list of one or more security devices that occur in the path closure

10   set.